Figure 1

Schematic Representation of Construction of a Virus-Like-Particle Producing Tumor Cell

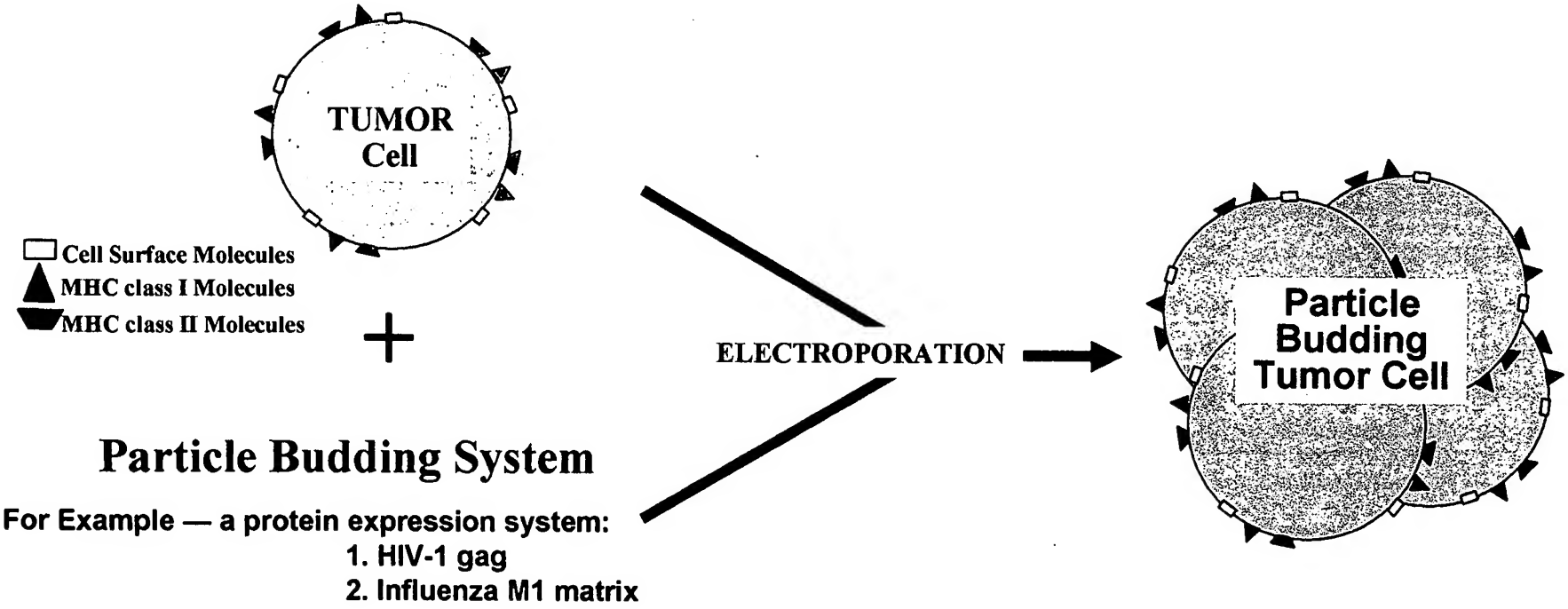


Figure 2

Schematic Representation of the introduction of Co-stimulatory Molecules into the budding particles released from tumor cells

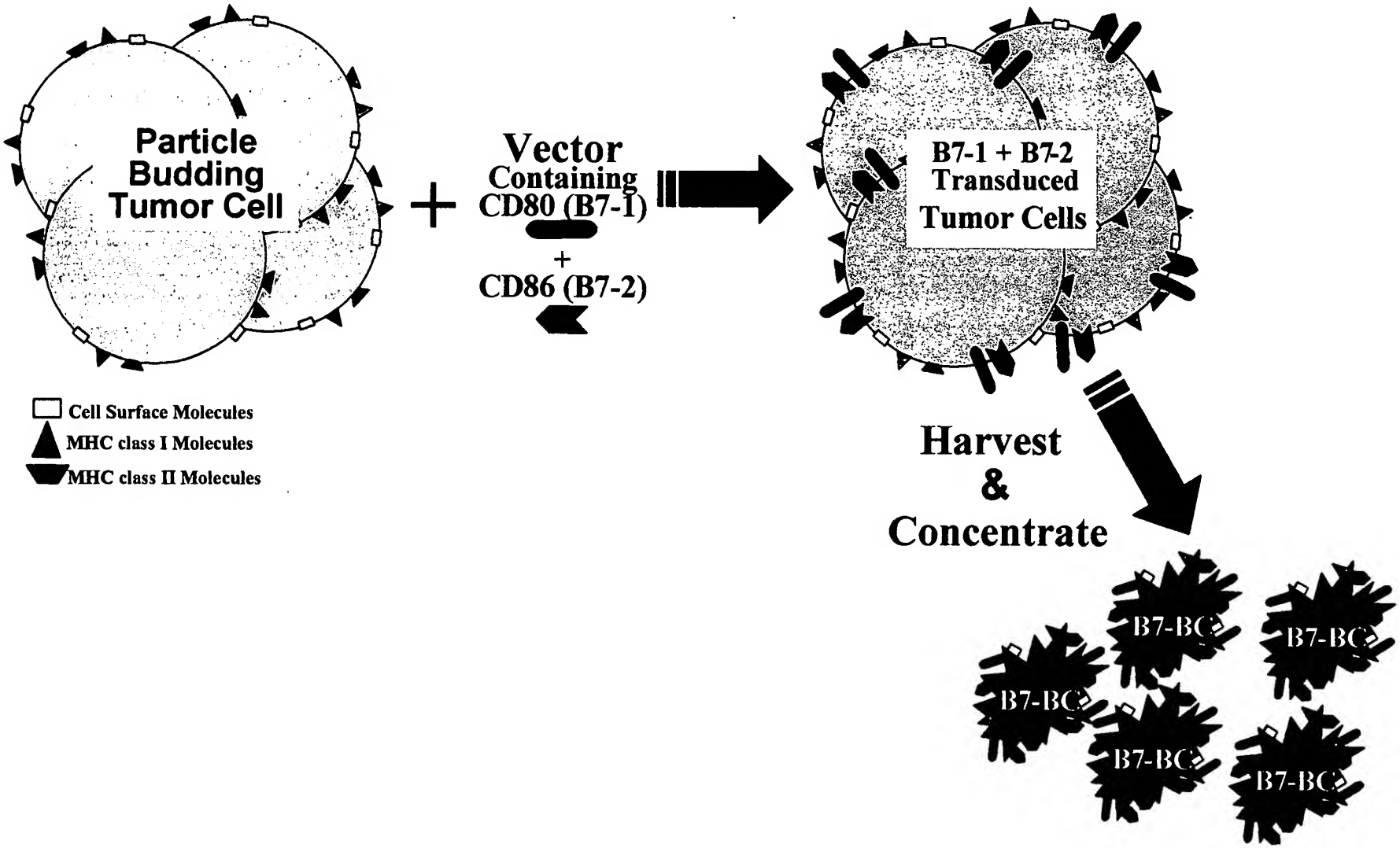


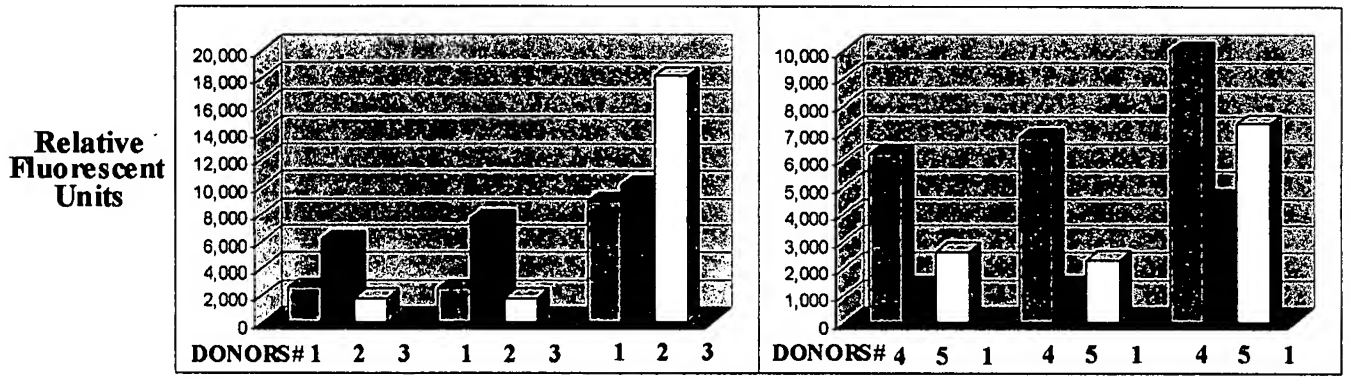
Figure 3

Comparing T-cell proliferation between:

- hPBMCs not treated
- hPBMCs treated with Biological Particles / Carriers from unmodified cultures
- hPBMCs PHA treated

Two biological carrier preparations (BCs) shown each tested on cells from 3 donors

Left Panel: HSV-2 based with donor #1, 2 & 3 cells
Right Panel: HIV-1 based with donor #4, 5 & 1 cells



hPBMC cultures ⟹ Not Treated | Treated with BCs from unmodified **HSV-2 based** cultures | PHA Treated

Not Treated | Treated with BCs from unmodified **HIV-1 based** cultures | PHA Treated

Conclusion:

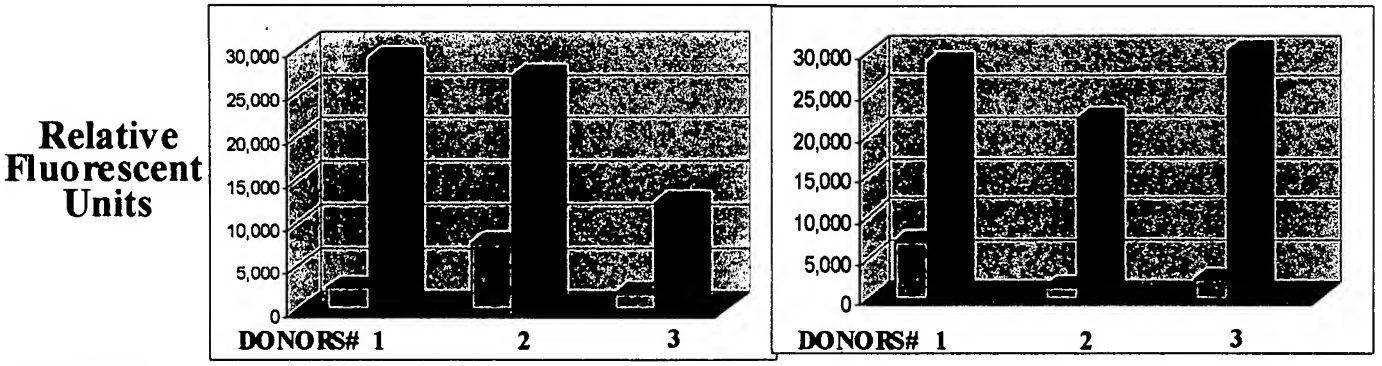
Biological particles / carrier preparations from unmodified host cells are NOT stimulatory

Figure 4

Comparing T-cell proliferation with HSV-2 & HIV-1 based biological particle / carrier preparations:

Unmodified (Un) host cells
Costimulatory-transduced (Co) host cells

Unstimulated hPBMCs (not PHA-treated) were exposed to the indicated preparation
Left Panel: Compares 6 day treatment of donor #1, 2 & 3 T-cells with HSV-specific particles formed from Un and Co transduced host cells
Right Panel: Compares 6 day treated donor #4, 5 & 1 T-cells with HIV-specific particles formed from Un and Co transduced host cells



Conclusion:

Biological particle / carrier preparations derived from costimulatory transduced host cells are stimulatory